



**Briefing for the
5th Annual NDIA
Expeditionary Warfare
Conference
24 Oct 00**

**The International Environment
and Marine Corps Concepts and
Capabilities for the
21st Century**



Briefing Contents

- **International Environment**
- **Marine Corps Capabilities**
- **Developing Concepts**
- **Desired Future Capabilities**



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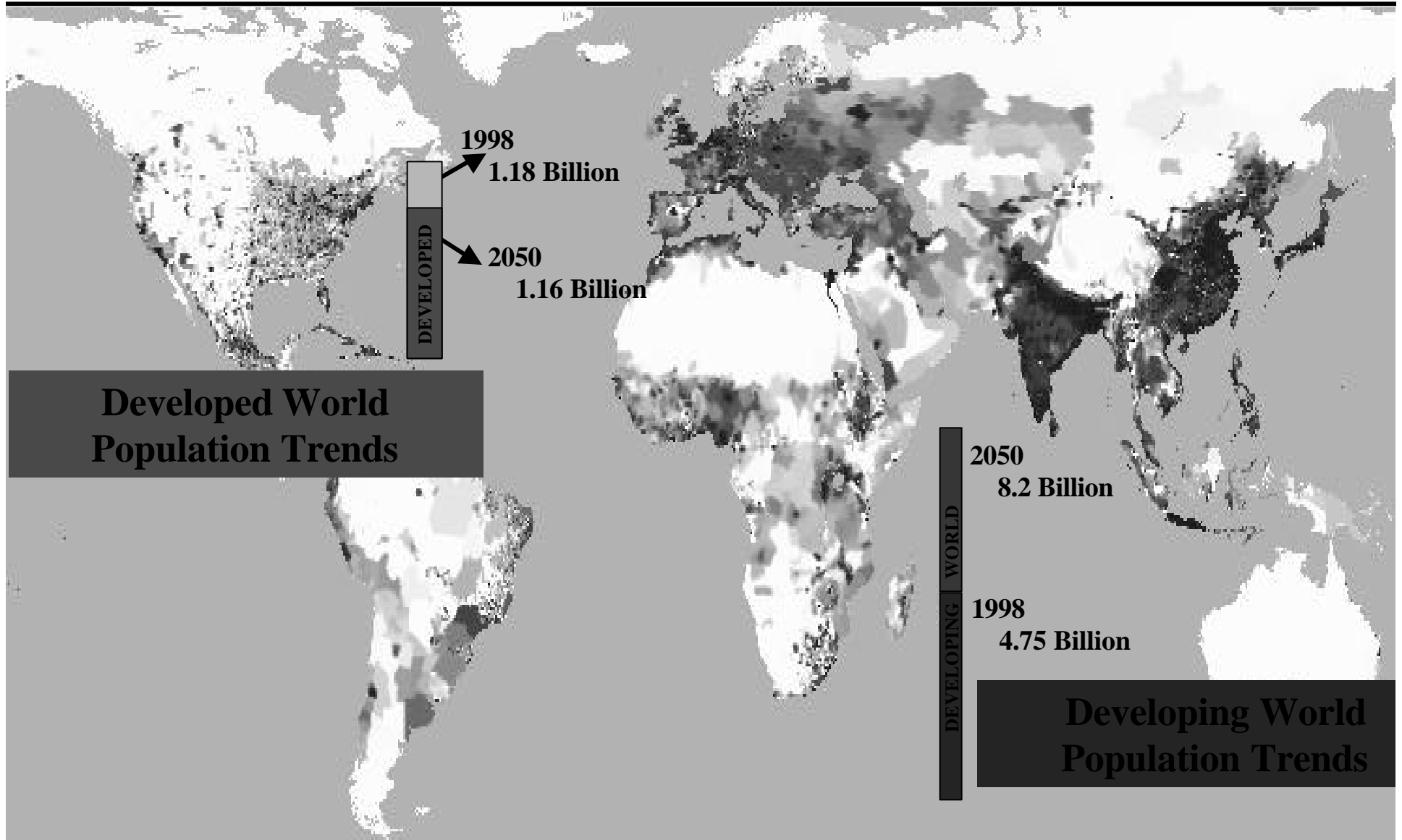
Seeds for Conflict

- **Competition for Resources**
- **Friction points among the “disaffected”**
 - **Haves vs. Have-Nots**
- **Catalyst for conflict based on:**
 - **Ideology**
 - **Religion**
 - **Social structures**
 - **Migration**
- **Urbanization Trends**





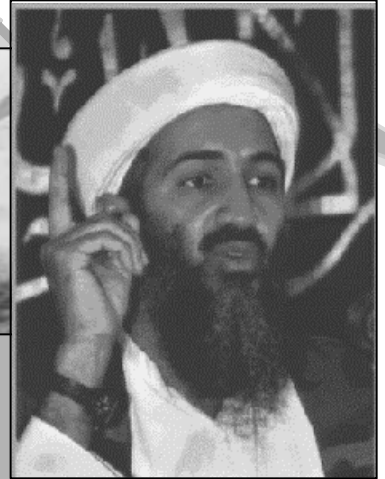
Littoral Population





Preview of the Future

- Continuing global turmoil
- Strategic Threats endure... but change in character
- Regional weapons of mass destruction threats increase



- 'Hybrid' militaries a major concern
- No military peer...but continuous challenges

Asymmetric challenges



Spectrum of Conflict



- MTW
- SSC
- LIC
- MOOTW
 - Humanitarian Crises
 - Evacuations
 - Security Operations
 - Peace Operations



Chaos in the Littorals





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USMC Contribution to National Security



National Military Strategy

- Strategic Deterrence
- Forward Presence
- Crisis Response
- Reconstitution

Forward Presence
Crisis Response

Amphibious
Forces

Maritime
Prepositioning
Forces

Other
Strategic
Lift



MAGTFs: Multi-Dimensional Combined Arms Teams



Combined Arms



Air-Ground-Logistics Team



Naval Expeditionary Force

MEF...MEB...MEU¹



Core Competencies



Ready to Fight and Win

Naval Character

Expeditionary Nature

Forcible Entry From the Sea

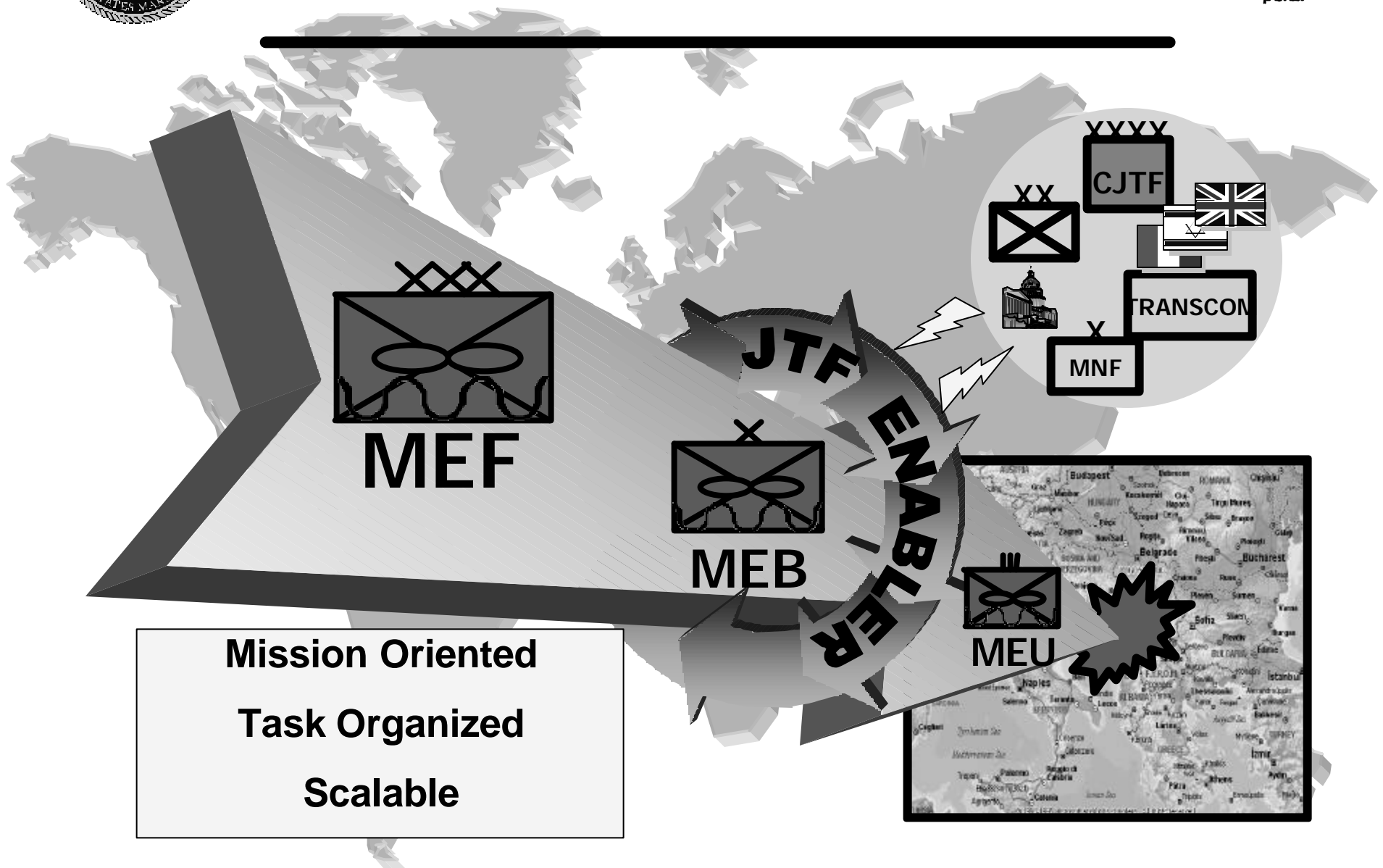
Combined Arms Ops

Task Organized

Integrated Reserve Forces



MAGTF Flexibility



Mission Oriented
Task Organized
Scalable



Forward Operating Forces



- SOUTHEAST ASIA - Operation FULL ACCOUNTING
- HAITI - U.S. SUPPORT GROUP HAITI
- SOUTHWEST ASIA - Operation DESERT FOCUS
- SOUTH AMERICA - Operation LASER STRIKE
- AVIANO IT/RAMSTEIN GE - Operation JOINT FORGE
- KOSOVO - Operation BALKAN CALM
- KENYA - Operation RESOLUTE RESPONSE
- CENTRAL AMERICA - Operation STRONG SUPPORT/HURRICANE MITCH D.R.
- ARABIAN GULF - MARITIME INTERDICTION OPS
- FRY/IT/AEGEAN - Operation NOBLE ANVIL/ALLIED FORCE
- FYR MACEDONIA - SECURITY SUPPORT (AMEMB)
- ALBANIA - Operation SHINING HOPE
- KOSOVO - Operation JOINT GUARDIAN
- TURKEY - Operation NORTHERN WATCH
- TURKEY - Operation AVID RESPONSE
- INDONESIA - Operation STABILISE

Ops in 1999





Virtual Presence?

Actual Absence!



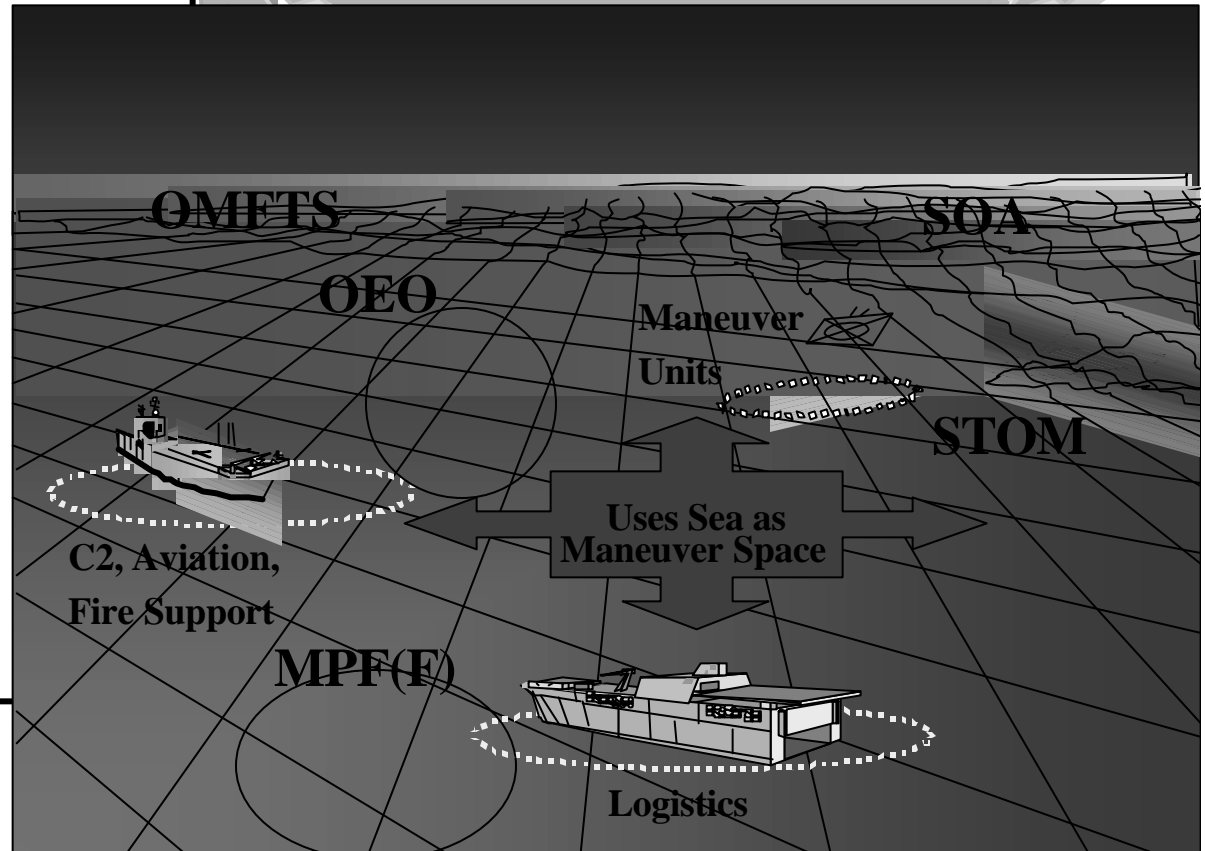
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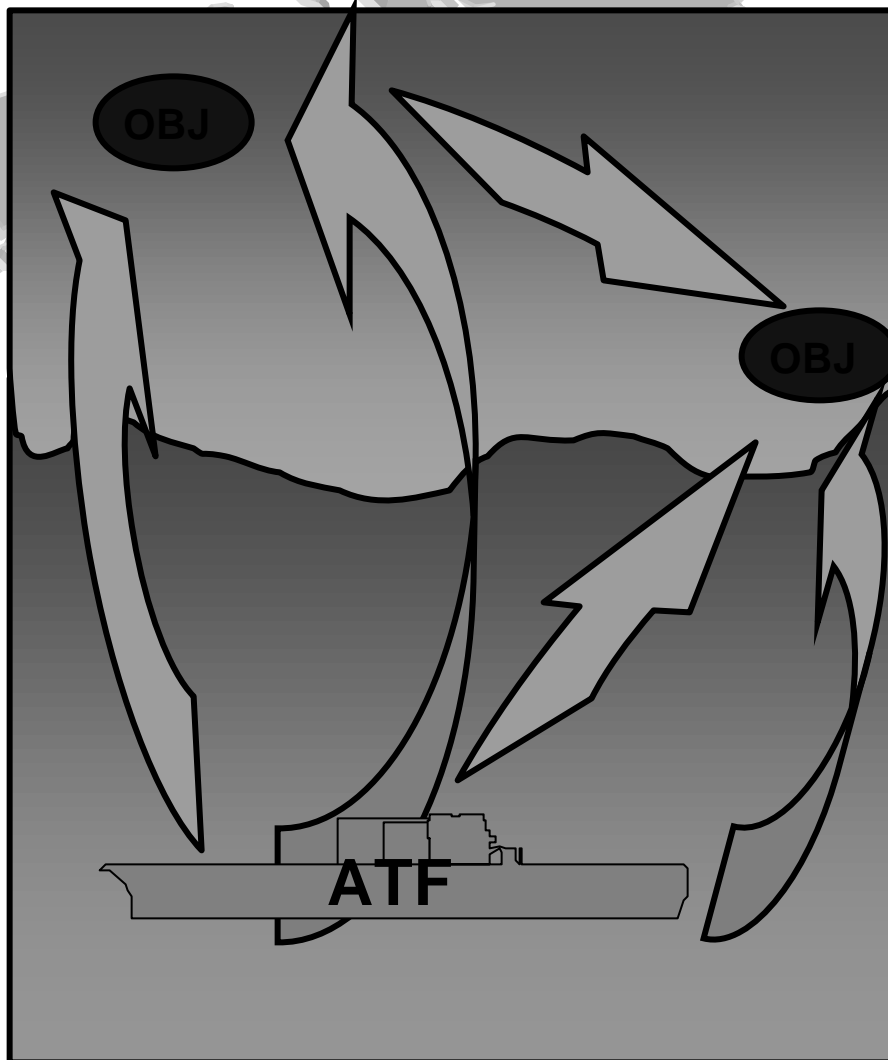
Tenets of EMW

- **Unique Capability:**
OMFTS, STOM, SOA
MPF(F), OEO
- **Strategic Agility**
- **Operational Mobility**
- **Tactical Flexibility**





Ship to Objective Maneuver (STOM)



- Dominate the battle-space by operating outside it
- Combined arms maneuver from over the horizon
- Aimed at objectives inland, not the beachhead
- Deny enemy warning and reaction time



Other Expeditionary Operations (OEO)



- MAGTFs can also conduct a range of operations beyond warfighting
- Peace Operations, Disaster Relief, Humanitarian Assistance, Security Intervention, Small Scale Contingencies





Non-Lethal Weapons Concept



Area Denial



Malodorant

Disable Enemy C2



Directed Energy

Disable Enemy Infrastructure



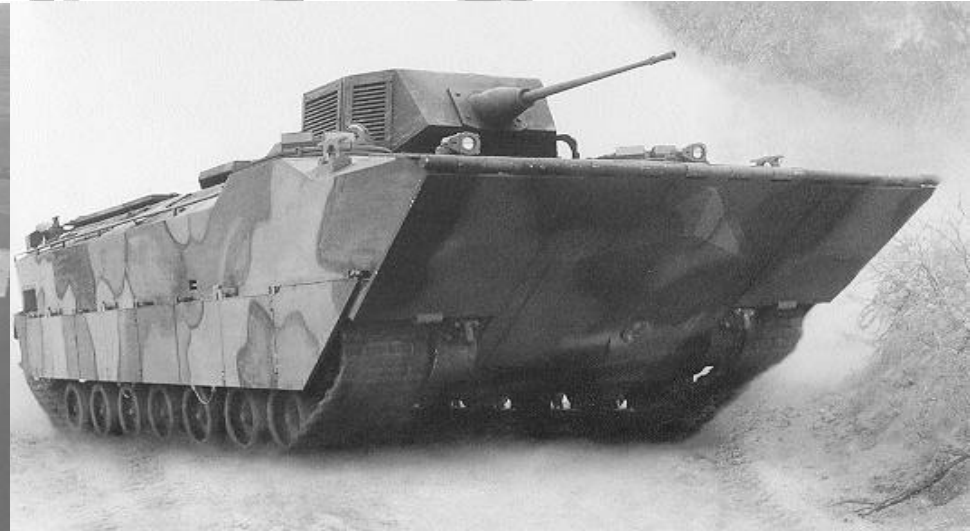
EFP / Kinetic

Potential Applications:

- Interdiction
- Close Air Support
- Urban Operations
- Humanitarian Relief
- Facilities Protection

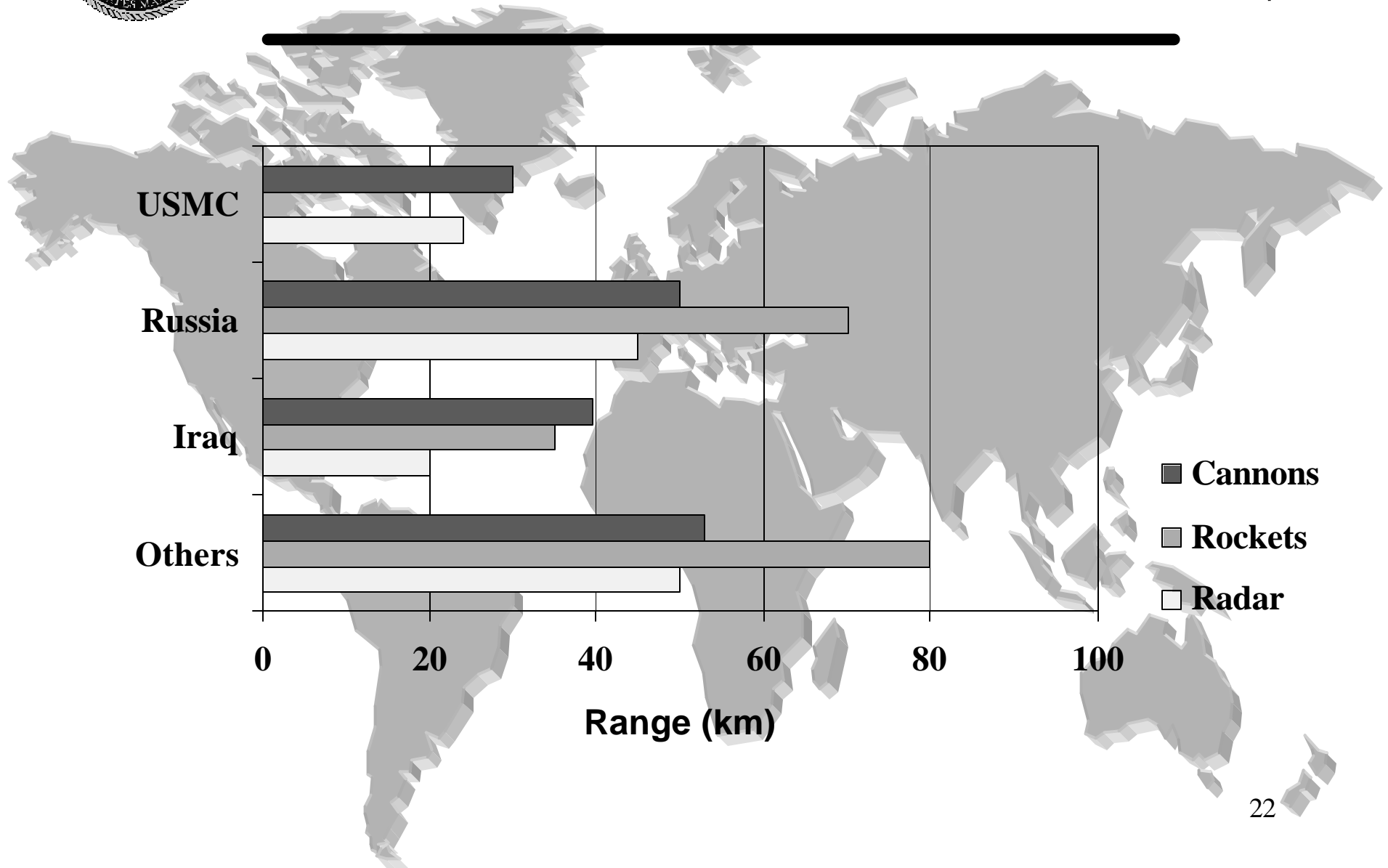


Realizing EMW





Current Threat





Maritime Dominance Overview





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Desired Future Capabilities



- C4
- Intelligence Surveillance and Reconnaissance
- Counter Mine, Counter Obstacle (CMCO)
- Fires
- Maritime Preposition Force(Future)
- LHA(Replacement)



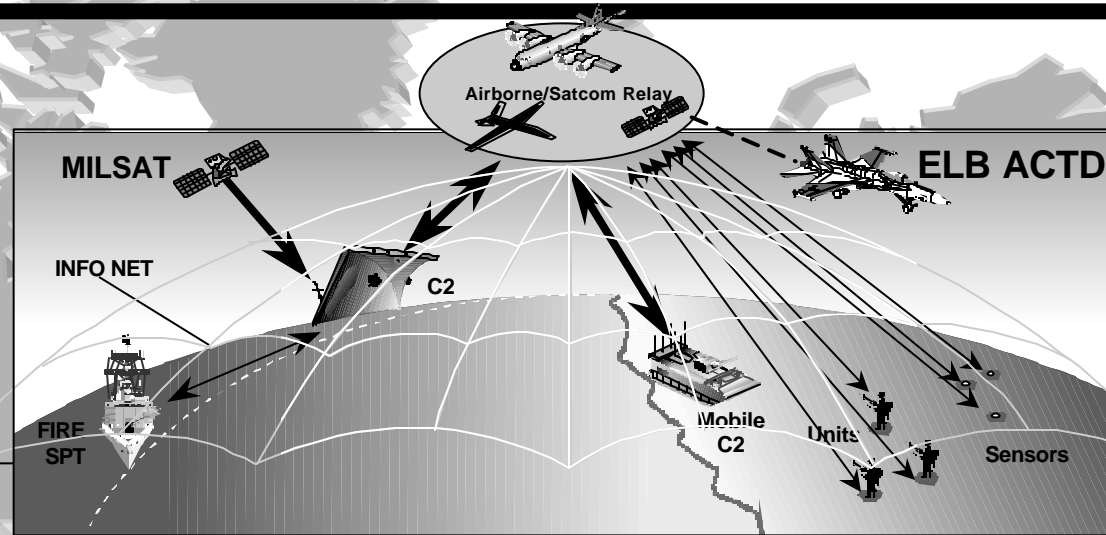
Current C4 Requirements



- Collaborative Planning Tool
- Common Tactical/Operational Picture
- Secure Global Services: Voice, Video, Data
- Joint, Coalition-capable C4 services
- Intelligence Preparation of the Battlespace
- C2, Maneuver, Fires, Intel, Force Protection, Logistics and Force Protection
- Security and Information Assurance
- Integrated with all Systems for visibility



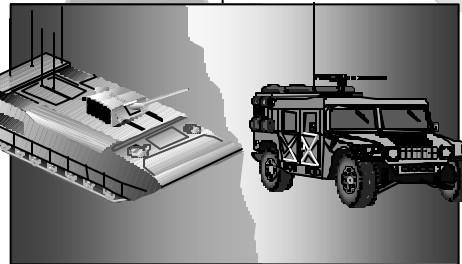
Future C4 Requirements (ELB)



Over-The-Horizon Battlenet



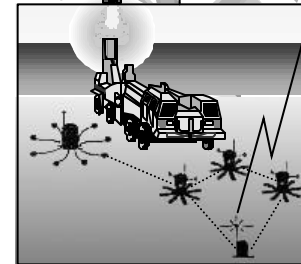
C2 Afloat



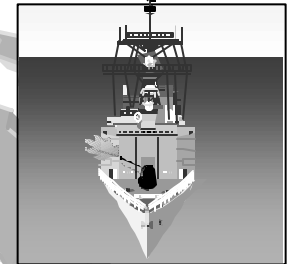
C2 On-the-Move



C2
Dismounted
Infantrymen



Sensors



Enhanced
Fires & Targeting



Intelligence Requirements for EMW

- Dependent on C4 Connectivity
- Provide robust ISR capability
- Provide Real time SA of Battlespace
- Adaptable to multiple platforms
- Joint and Coalition capable
- Interconnected with Nat'l Intel Resources
- Targeting Data

Robust, Redundant and Reliable!



VTUAV CONOPS



1

VTUAV launches from the LPD

2

The LHA(R) take control of the VTUAV mission and conducts a beach reconnaissance.

4

GCS provides SPOT/Salute reports Collocated CO and forwards selected Images to IOC, per MAGTF PIRs.

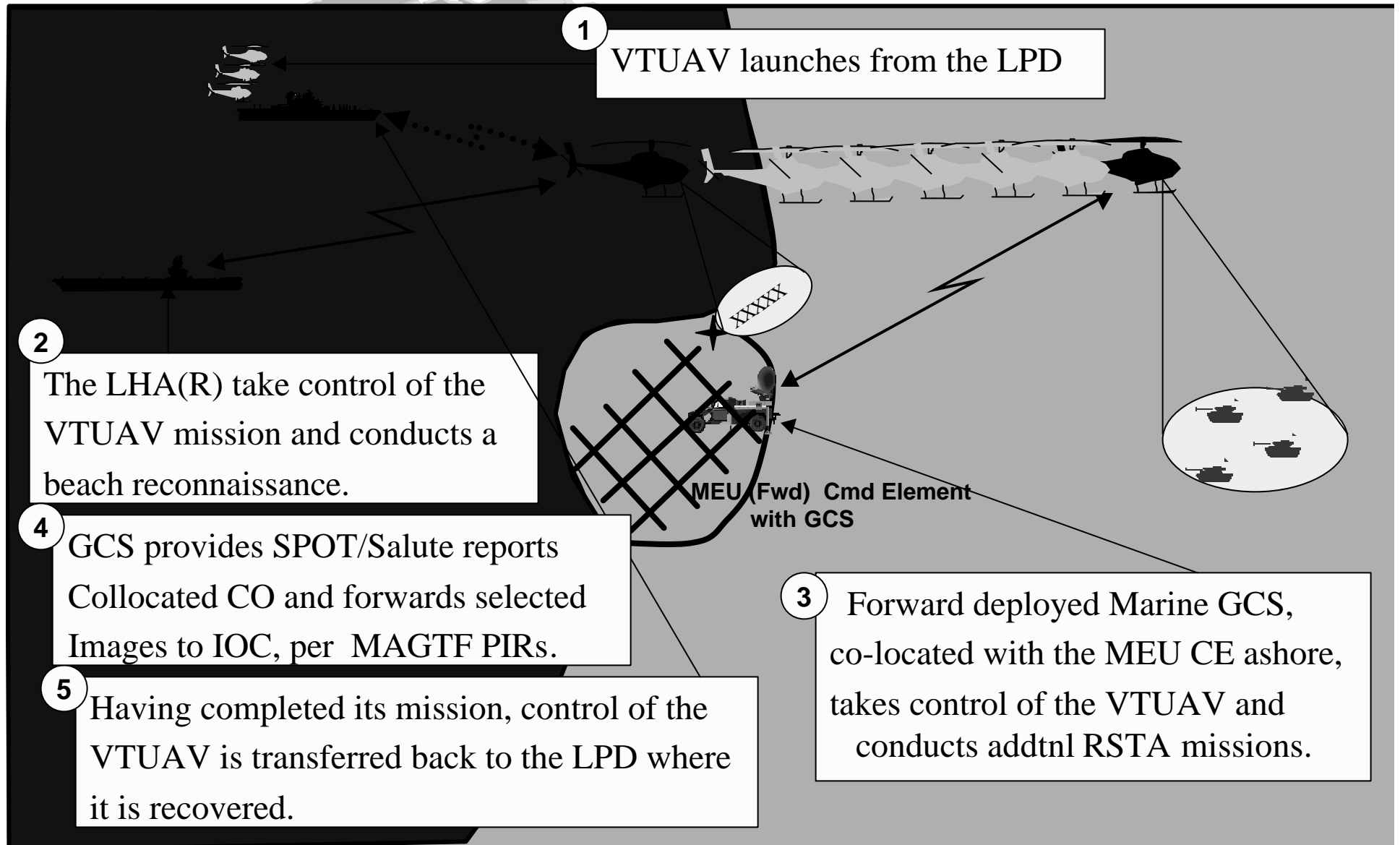
5

Having completed its mission, control of the VTUAV is transferred back to the LPD where it is recovered.

3

Forward deployed Marine GCS, co-located with the MEU CE ashore, takes control of the VTUAV and conducts addtnl RSTA missions.

MEU (Fwd) Cmd Element
with GCS





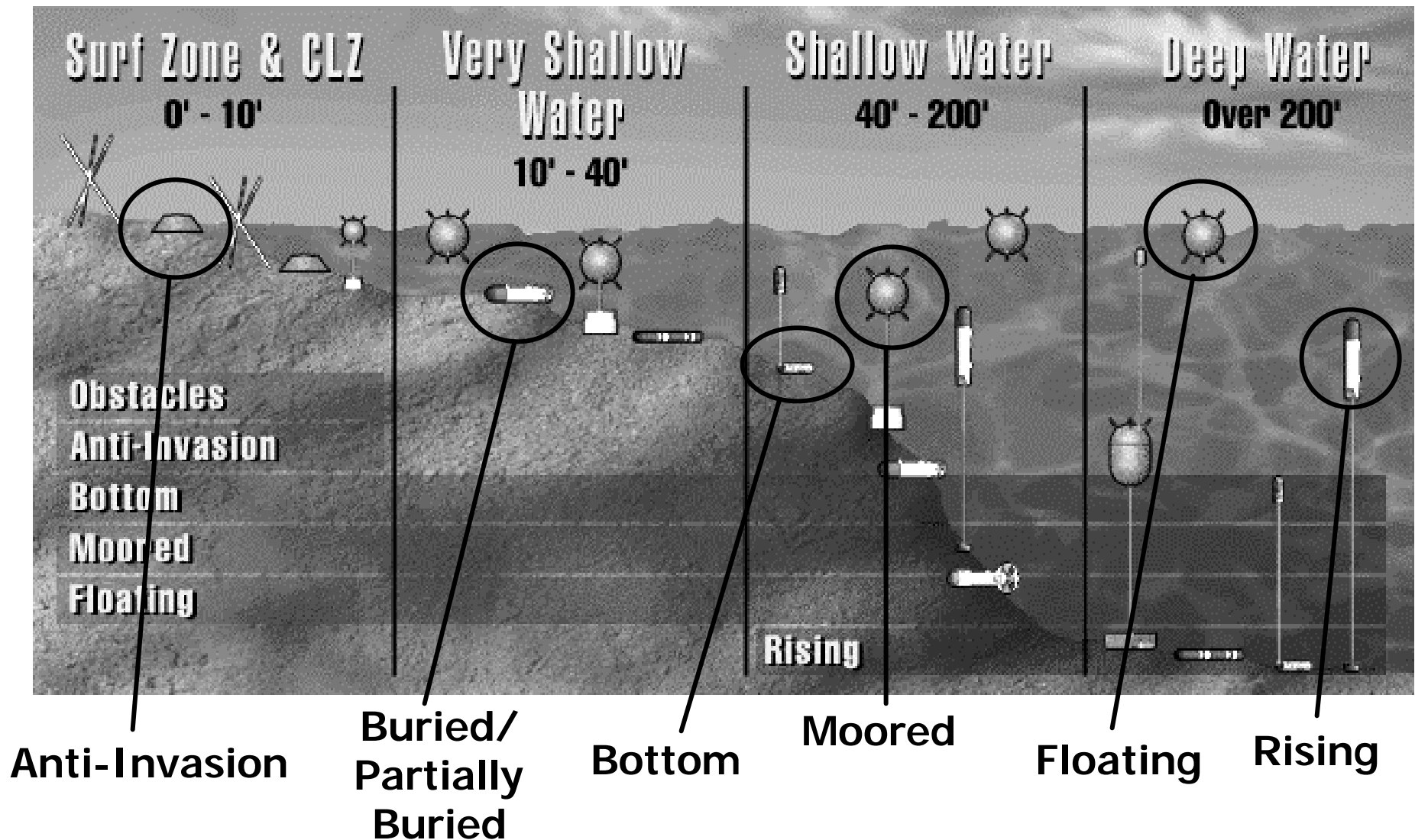
Future Counter Mine/Counter Obstacle (CMCO) in Littoral Power Projection Ops



- Detect and avoid mines.
- Maneuver through existing gaps.
- When avoidance is not an option and adequate gaps are not identifiable, rapid, in-stride breaching will be conducted.
- Integrated C4ISR that supports CMCO

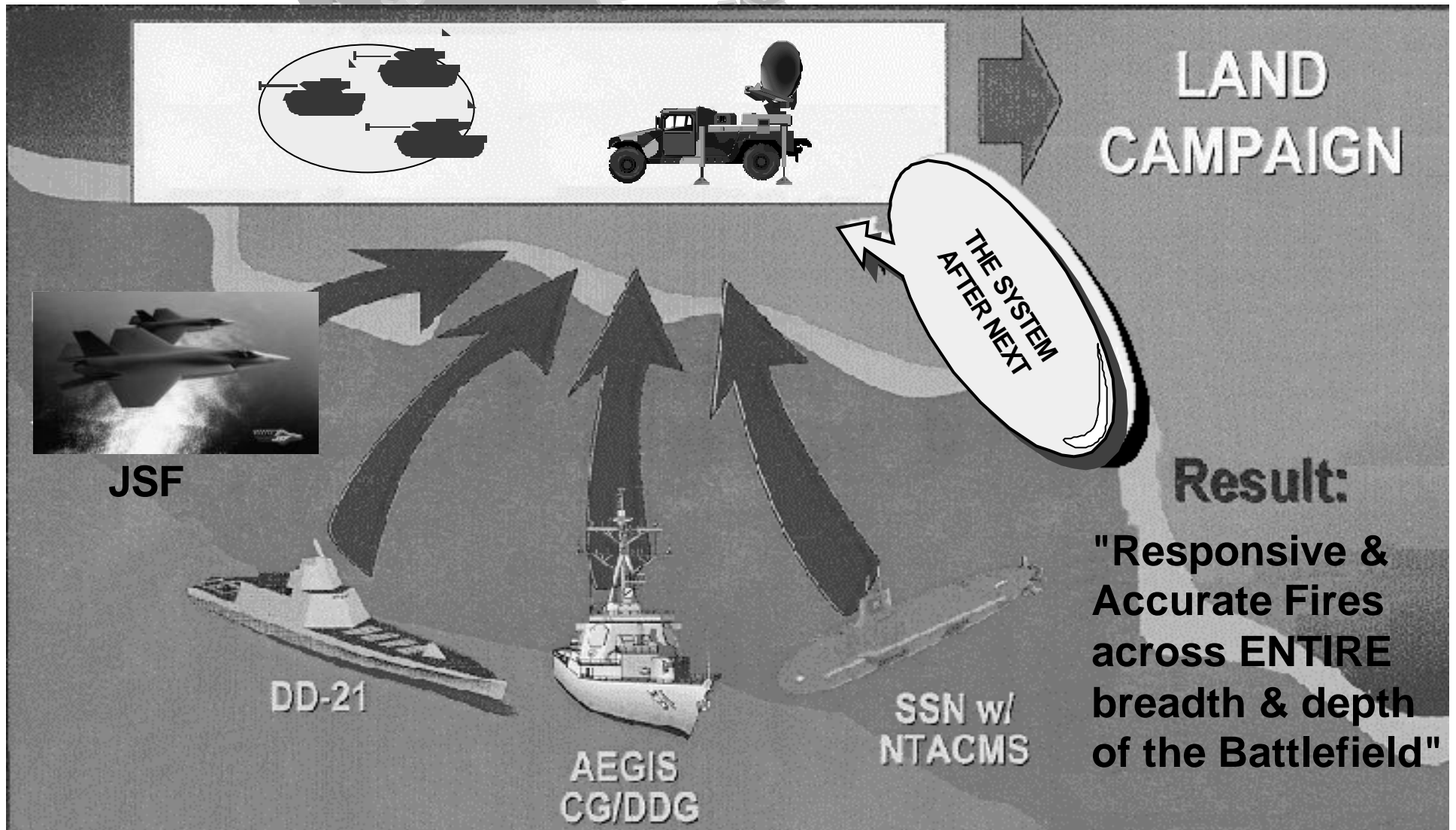


Mine/Counter-Mine Threat





Expeditionary Fire Support





Fires Summary

- Navy-Marine Corps Integration
- Counter-Battery Fire Capabilities
- Sustained Volume of Fires
- VSTOL Aircraft



Maritime Pre-Positioning





Why MPF (Future)?

- Leases on Current MPS Expire Early 21st Century
- Support OMFTS and STOM
 - Over the Horizon Operational Maneuver
 - Reduce Footprint Ashore
 - Sea-Based Operations
- Revolutionize MPF Operations



MPF (Future)



Four Pillars

Force Closure

Arrival and
Assembly at Sea

ATF integration

Reinforces

Amphibious Forces

Indefinite Sustainment

Sea-based Conduit

Reconstitution and
Redeployment

Capabilities

- **Fast Deployment**
- **Reinforcement**
- **Sustained Seabasing**



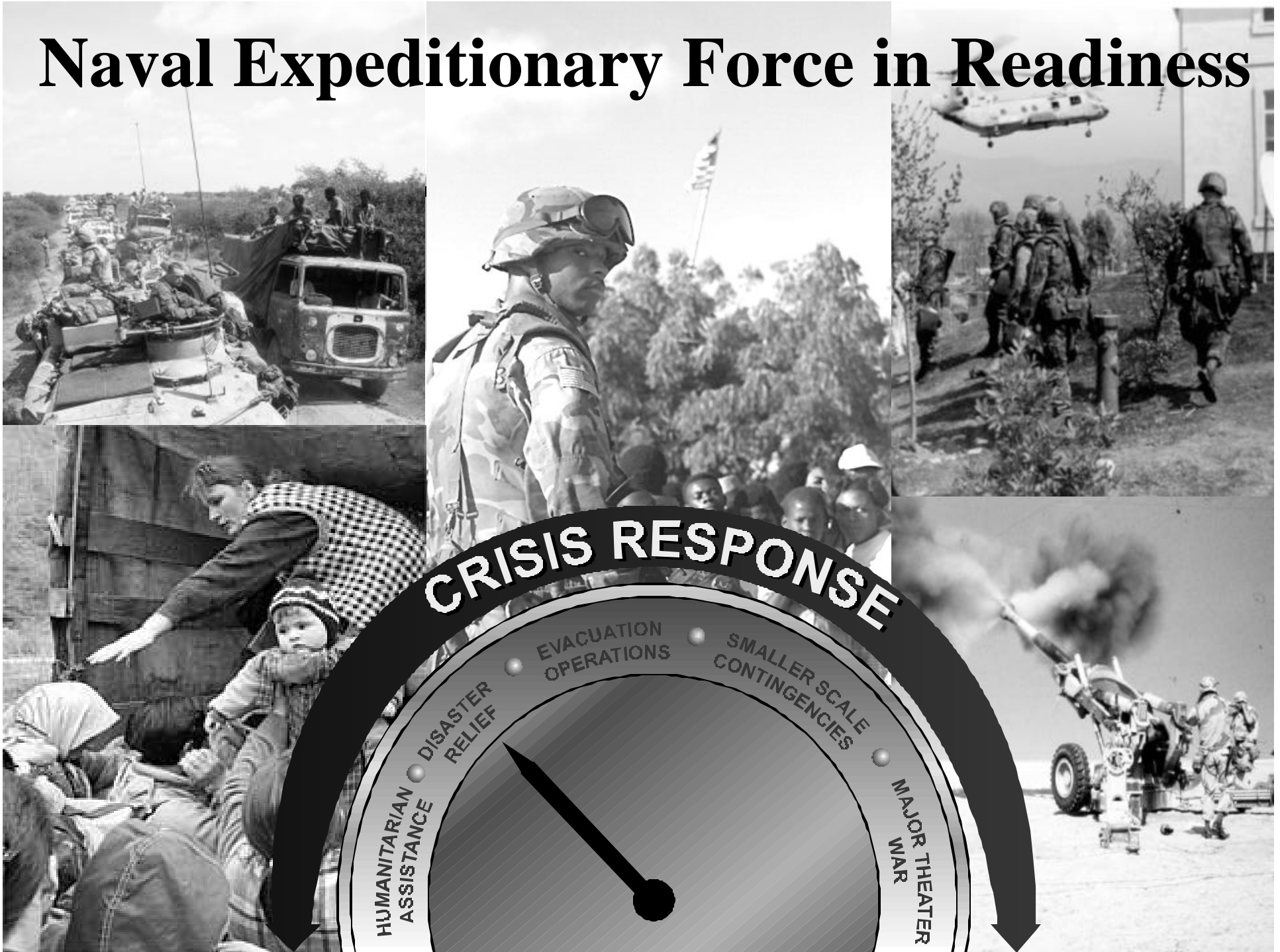
Preparing the Operating Forces



- **Implementing Concepts**
 - Ship to Objective Maneuver (STOM)
 - MPF (Future)
- **Wargames**
 - OMFTS Wargames
 - STOM Wargames
 - MPF 2010 Wargames
 - Global Wargames
 - AAN Wargames
 - Global Engagement Wargames
- **Experimentation**
- **Tentative Doctrine**
 - Tentative Landing Operations Manual 2014



Naval Expeditionary Force in Readiness





Questions?

